

Abstract of Disclosure

Systems and methodologies are provided for enforcing a set of conditions such that prior to a commit stage of a transaction, a space availability for a particular page can be typically assured (*e.g.*, that transactions operating on various copies of the page do not consume all of storage space on that page), and reorganization of data around the page is mitigated (*e.g.*, that a transaction need not move data around the page for purpose of merging various copies.) A page aggregator and a heap manager can facilitate operations of concurrent transactions at a subpage level (*e.g.*, a row level), during such modifications of a data base by multiple users.